

UNITED STATES DISTRICT COURT  
EASTERN DISTRICT OF NEW YORK

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UNITED STATES OF AMERICA,

Plaintiff,

- against -

Civil Action  
No. CV- 07-0835

AGI-VR/WESSON COMPANY;  
ALLOY CARBIDE COMPANY;  
CHI MEI CORPORATION;  
CLIMAX MOLYBDENUM COMPANY;  
CLIMAX MOLYBDENUM MARKETING  
CORPORATION;  
COUNTY OF NASSAU, NEW YORK;  
CYPRUS AMAX MINERALS COMPANY;  
GENERAL ELECTRIC COMPANY;  
GTE CORPORATION;  
H.C. STARCK, INC.;  
KENNAMETAL INC.;  
M & R INDUSTRIES, INC.;  
MINMETALS INC.;  
OSRAM SYLVANIA CORPORATION;  
PHILIPS ELECTRONICS NORTH  
AMERICA CORPORATION;  
SANDVIK AB;  
TDY HOLDINGS, LLC; and  
TDY INDUSTRIES, INC.,

(Seybert, J.)  
(Orenstein, Ch. M. J.)

Defendants.

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APPENDIX D PART 4 TO THE CONSENT JUDGMENT

**APPENDIX A**  
**HEALTH AND SAFETY CONTINGENCY PLAN**

## **APPENDIX A HEALTH AND SAFETY CONTINGENCY PLAN**

### **Remedial Action at Parcel B and Upper Parcel C of the Li Tungsten Property of the Li Tungsten Superfund Site**

**Prepared at the Order of the  
Environmental Protection Agency**

**June 2006**

**ECC  
1746 Cole Blvd., Bldg. 21, Suite 350, Lakewood, Colorado 80401**



**LIST OF ACRONYMS AND ABBREVIATIONS**

<b>ACGIH</b>	American Conference Governmental Industrial Hygienist
<b>AHA</b>	Activity Hazard Analysis
<b>ALARA</b>	As Low As Reasonably Achievable
<b>ALI</b>	Annual Limit Intake
<b>APR</b>	Air Purifying Respirators
<b>As</b>	Arsenic
<b>Ca</b>	Possible Occupational Carcinogen
<b>CFR</b>	Code of Federal Regulations
<b>CHP</b>	Certified Health Physicist
<b>CIH</b>	Certified Industrial Hygienist
<b>COC</b>	contaminants of concern
<b>cpm</b>	counts per minute
<b>CRZ</b>	Contamination Reduction Zone
<b>DAC</b>	Derived Air Concentration
<b>DOT</b>	Department of Transportation
<b>dpm</b>	disintegrations per minute
<b>ECC</b>	Environmental Chemical Corporation
<b>EPA</b>	Environmental Protection Agency
<b>EZ</b>	Exclusion Zone
<b>HEPA</b>	High Efficiency Particulate Air
<b>HSCP</b>	Health and Safety Contingency Plan
<b>HPT</b>	Health Physicist Technician
<b>HSO</b>	Health and Safety Officer
<b>IDLH</b>	Immediate Dangerous to Life and Health
<b>LEL</b>	Lower Explosive Limit
<b>MARSSIM</b>	Multi-Agency Radiation Survey and Site Investigation Manual
<b>μCi</b>	microcuries
<b>μCi/mL</b>	microcuries per milliliter
<b>mg/kg</b>	milligrams per kilogram
<b>mg/m<sup>3</sup></b>	milligrams per cubic meter
<b>MSDS</b>	Material Data Safety Sheets
<b>NaI</b>	Sodium Iodide
<b>NRC</b>	Nuclear Regulatory Commission
<b>OSHA</b>	Occupational Safety and Health Administration
<b>Pb</b>	Lead
<b>pCi/g</b>	picocuries/gram
<b>PEL</b>	Permissible Exposure Level
<b>PHP</b>	Project Health Physicist
<b>PM</b>	Project Manager
<b>PPE</b>	Personal Protective Equipment
<b>Ra</b>	Radium
<b>REM</b>	Roentgen Equivalent Man
<b>SOPs</b>	Standard Operating Procedures
<b>SZ</b>	Support Zone

<b>TEDE</b>	Total Effective Dose Equivalent
<b>Th</b>	Thorium
<b>TLD</b>	Thermal Luminescent Detectors
<b>TLV</b>	Threshold Limit Value
<b>XRF</b>	X-ray Fluorescence

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*Health and Safety Contingency Plan  
Li-Tungsten Superfund Site  
Glen Cove, New York*

## **1.0 GENERAL HEALTH SAFETY PROGRAM**

This Health and Safety Contingency Plan (HSCP) was prepared by Environmental Chemical Corporation (ECC) for the Li Tungsten Superfund Site, Glen Cove, New York. This plan is based on available site specific data and Project Specification 01130, *Health and Safety*. Work conducted under this contract will be performed in accordance with applicable Federal, State, and local safety and occupational health laws and regulations. In addition to other regulatory requirements, work under this plan will be conducted in accordance with applicable Occupational Safety and Health Administration (OSHA) standards including 29 Code of Federal Regulation (CFR) 1910 and 29 CFR 1926.

The purpose of this plan is to describe specific ECC safety standards and specific task safety hazards that may be present and the measures to be taken to abate these hazards during remedial activities at the Li Tungsten Superfund Site. The safety and health procedures outlined in this here are designed to minimize the possibility of ECC employee and subcontractor injury or exposure during the remedial activities.

## **2.0 PROJECT ORGANIZATION AND RESPONSIBILITIES**

The following section describes the project organization and the responsibilities of key personnel.

### **2.1 Project Organization**

ECC's fieldwork team will consist of the Project Manager (PM), Health and Safety Officer (HSO), Project Health Physicist (PHP), Health Physicist Technician (HPT), and field personnel.

### **2.2 Responsibilities**

Health and safety responsibilities for project personnel and site visitors are described in the following sections.

#### **2.2.1 Project Manager**

The PM, Mr. Phil O'Dwyer, will be onsite and will represent ECC in all aspects of the work under the project contract. Mr. O'Dwyer will provide oversight to the HSO and is responsible for ensuring the following tasks are carried out:

- Coordinate all work performed by ECC and its subcontractors for the project;
- Serve as the liaison with performing parties and all designated Federal, state, and local agencies;
- Ensure that the HSCP is approved prior to commencement of operations;
- Ensure that all ECC and subcontractors employees assigned to the project have been informed about and trained in the content of the HSCP;
- Ensure that required personal protective equipment (PPE), air monitoring instruments, and other safety related items are provided and properly calibrated and utilized for the project;
- Ensure that all field personnel, including any subcontractor personnel, assigned to the project have satisfied all requirements for training and medical surveillance as specified by 29 CFR 1910.120, and that records of training and medical approval are available and maintained for each person;
- Ensure that all personnel assigned to the project have been instructed on the work plan, operations to be performed, known and potential hazards associated with work, HSCP requirements, proper use of required PPE, specified safe work practices, proper action in the event of a medical or chemical emergencies, and related site-specific safety information;
- Monitor overall safety performance of field personnel;
- Correct any work practices and/or conditions that may result in injury and/or exposure to hazards;